

# NORTH CAROLINA ALIGNMENT FOR NIH SUPPLEMENT OPEN WIDE AND TREK INSIDE

OPEN WIDE AND TREK INSIDE		
North Carolina Standard Course of Study – Science: Grades 1 & 2		
Lesson	Competency Goal	Description
1, 2, 3, 4	N.A.	<b>The focus for first grade</b> is on students using their senses to make observations and using their own rules to classify living and nonliving objects. Identifying types and levels of organization helps students find useful ways of describing objects and organisms. Guide student learning to continue to emphasize the unifying concepts introduced in kindergarten, including evidence, explanation and measurement as well as the introduction at grade one of order and organization.
1, 2, 3, 4, 5	N.A.	<b>The focus for second grade</b> students is on analyzing collected data over a period of time to make predictions and understand changes. Changes vary in rate, scale, and pattern, including trends and cycles. Changes in systems can be measured. Guide student learning to continue to emphasize the unifying concepts previously introduced, including evidence, explanation, measurement, order, and organization as well as the introduction at grade two of change.
2, 3, 4, 5	1.01	Describe the life cycle of animals including: birth, developing into an adult, reproducing, aging and death. (2)
1, 2, 3, 4	1.02	Investigate the needs of a variety of different animals: air, water, food, shelter, and space. (1)
1, 2, 4	1.03	Observe the ways in which humans are similar to other organisms. (1)
1, 2, 4, 5	1.05	Discuss the wide variety of living things on Earth. (1)
North Carolina Standard Course of Study – Mathematics: Grades 1 & 2		
Lesson	Competency Goal	Description
2, 5	1.01	Develop number sense for whole numbers through 99: connect the model, number word, and number using a variety of representations, use efficient strategies to count the number of objects in a set, read and write numbers, compare and order sets and numbers, build understanding of place value (ones, tens), estimate quantities fewer than or equal to 100, and recognize equivalence in sets and numbers 1-99. (1)
2, 5	1.04	Create, model, and solve problems that use addition, subtraction, and fair shares (between two or three). (1)

Source: [http://www.ncpublicschools.org/curriculum/ncStandard\\_Course\\_of\\_Study](http://www.ncpublicschools.org/curriculum/ncStandard_Course_of_Study)

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2, 3	2.01	For given objects: select an attribute (length, capacity, mass) to measure (use non-standard units), develop strategies to estimate size, and compare, using appropriate language, with respect to the attribute selected. (1)
3	2.01	Estimate and measure using appropriate units: length (meters, centimeters, feet, inches, yards), and temperature (Fahrenheit). (2)
2, 3, 5	4.01	Collect, organize, describe and display data using line plots and tallies. (1)
2, 3	5.01	Sort and classify objects by two attributes. (1)
<b>North Carolina Standard Course of Study – English Language Arts: Grades 1 &amp; 2</b>		
Lesson	Competency Goal	Description
2, 3, 4, 6	2.01	Read aloud independently with fluency and comprehension any text that is appropriately designed for emergent readers. (1)
1, 4, 6	2.05	Predict and explain what will happen next in stories. (1)
1, 4, 5, 6	2.07	Respond and elaborate in answering what, when, where, and how questions. (1)
1, 4, 6	2.08	Discuss and explain response to how, why, and what if questions in sharing narrative and expository texts. (1)
1, 2, 3, 4, 6	2.09	Read and understand simple written instructions. (1)
All lessons	3.01	Elaborate on how information and events connect to life experiences. (1)
All lessons	3.02	Recognize and relate similar vocabulary use and concepts across experiences with texts. (1)
All lessons	3.03	Discuss unfamiliar oral and/or written vocabulary after listening to or reading texts. (1)
All lessons	3.04	Share personal experiences and responses to experiences with text: publishing non-print texts, discussing interpretations, and recording personal responses. (1)
All lessons	4.01	Select and use new vocabulary and language structures in both speech and writing contexts (e.g., oral retelling using exclamatory phrases to accent an idea or event). (1)
1, 4, 6	4.02	Use words that describe, name characters and settings (who, where), and tell action and events (what happened, what did ____ do) in simple texts. (1)
All lessons	4.03	Use specific words to name and tell action in oral and written language (e.g., using words such as frog and toad when discussing a nonfiction text). (1)

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<b>All lessons</b>	<b>4.04</b>	Extend skills in using oral and written language: clarifying purposes for engaging in communication, using clear and precise language to paraphrase messages, engaging in more extended oral discussions, producing written products, and completing graphic organizers. (1)
<b>All lessons</b>	<b>4.06</b>	Compose a variety of products (e.g., stories, journal entries, letters, response logs, simple poems, oral retellings) using a writing process. (1)
<b>2, 3, 4, 6</b>	<b>2.01</b>	Read and comprehend text (fiction, nonfiction, poetry, and drama) appropriate for grade two by: determining purpose (reader's and author's), making predictions, asking questions, locating information for specific reasons/purposes, recognizing and applying text structure, comprehending and examining author's decisions and word choice, determining fact and opinion, recognizing and comprehending figurative language, and making inferences and draw conclusions. (2)
<b>2, 3, 4, 6</b>	<b>2.02</b>	Use text for a variety of functions, including literary, informational, and practical. (2)
<b>2, 3, 4, 6</b>	<b>2.03</b>	Read expository materials for answers to specific questions. (2)
<b>1, 4, 6</b>	<b>2.04</b>	Pose possible how, why, and what if questions to understand and/or interpret text. (2)
<b>1, 4, 6</b>	<b>2.06</b>	Recall main idea, facts and details from a text. (2)
<b>2, 3</b>	<b>2.08</b>	Interpret information from diagrams, charts, and maps. (2)
<b>All lessons</b>	<b>3.01</b>	Use personal experiences and knowledge to interpret written and oral messages. (2)
<b>1, 4, 6</b>	<b>3.02</b>	Connect and compare information within and across selections (fiction, nonfiction, poetry, and drama) to experience and knowledge. (2)
<b>All lessons</b>	<b>3.03</b>	Explain and describe new concepts and information in own words (e.g., plot, setting, major events, characters, author's message, connections, topic, key vocabulary, key concepts, text features). (2)
<b>All lessons</b>	<b>4.04</b>	Use oral communication to identify, organize, and analyze information. (2)
<b>All lessons</b>	<b>4.05</b>	Respond appropriately when participating in group discourse by adapting language and communication behaviors to the situation to accomplish a specific purpose. (2)
<b>All lessons</b>	<b>4.06</b>	Plan and make judgments about what to include in written products (e.g., narratives of personal experiences, creative stories, skits based on familiar stories and/or experiences). (2)
<b>North Carolina Standard Course of Study – Healthful Living: Grades 1 &amp; 2</b>		
<b>Lesson</b>	<b>Competency Goal</b>	<b>Description</b>
<b>1, 4, 5</b>	<b>2.01</b>	Describe and demonstrate measures for preventing the spread of germs. (1)

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<b>2, 4, 5</b>	<b>2.06</b>	Summarize the transition process between primary and permanent teeth and demonstrate how to get help with dental problems. (1)
<b>4, 5, 6</b>	<b>4.02</b>	Identify a variety of foods that are healthy choices in each of the food groups. (1)
<b>All lessons</b>	<b>10.04</b>	Work cooperatively with others to complete a task. (1)
<b>5</b>	<b>2.01</b>	Demonstrate the proper technique for tooth brushing and describe the benefits of good dental health. (2)
<b>4, 5, 6</b>	<b>4.02</b>	Summarize the benefits of healthy eating. (2)
<b>All lessons</b>	<b>10.04</b>	Work cooperatively with others to honestly complete work. (2)

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